

<b>UTILITY PATENT APPLICATION TRANSMITTAL</b>  <small>(Only for new nonprovisional applications under 37 CFR 1.53(b))</small>		Attorney Docket No. <b>M4065.0675/P675</b>	
		First Inventor <b>John T. Moore</b>	
		Title <b>PCRAM CELL OPERATION METHOD TO CONTROL ON/OFF RESISTANCE VARIATION</b>	
		Express Mail Label No.	

<b>APPLICATION ELEMENTS</b>  See MPEP chapter 600 concerning utility patent application contents.	ADDRESS TO: MS Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450
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1. <input type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17) <small>(Submit an original, and a duplicate for fee processing)</small> 2. <input type="checkbox"/> Applicant claims small entity status. <small>See 37 CFR 1.27.</small> 3. <input checked="" type="checkbox"/> Specification [Total Pages <b>52</b> ] <small>(preferred arrangement set forth below)</small> <ul style="list-style-type: none"> <li>- Descriptive title of the invention</li> <li>- Cross Reference to Related Applications</li> <li>- Statement Regarding Fed sponsored R &amp; D</li> <li>- Reference to sequence listing, a table, or a computer program listing appendix</li> <li>- Background of the Invention</li> <li>- Brief Summary of the Invention</li> <li>- Brief Description of the Drawings (if filed)</li> <li>- Detailed Description</li> <li>- Claim(s)</li> <li>- Abstract of the Disclosure</li> </ul> 4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) [Total Sheets <b>12</b> ] 5. Oath or Declaration [Total Sheets <b>3</b> ] a. <input checked="" type="checkbox"/> Newly executed (original or copy) b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) <small>(for continuation/divisional with Box 18 completed)</small> i. <input type="checkbox"/> <b>DELETION OF INVENTOR(S)</b> <small>Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).</small> 6. <input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76	7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 8. <input type="checkbox"/> Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. <input type="checkbox"/> Computer Readable Form (CRF) b. Specification Sequence Listing on: i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or ii. <input type="checkbox"/> Paper c. <input type="checkbox"/> Statements verifying identity of above copies <b>ACCOMPANYING APPLICATIONS PARTS</b> 9. <input checked="" type="checkbox"/> Assignment Papers (cover sheet & document(s)) 10. <input type="checkbox"/> 37 CFR 3.73(b) Statement (when there is an assignee) <input checked="" type="checkbox"/> Power of Attorney 11. <input type="checkbox"/> English Translation Document (if applicable) 12. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations 13. <input type="checkbox"/> Preliminary Amendment 14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) (Should be specifically itemized) 15. <input type="checkbox"/> Certified Copy of Priority Document(s) (if foreign priority is claimed) 16. <input type="checkbox"/> Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent. 17. <input type="checkbox"/> Other:
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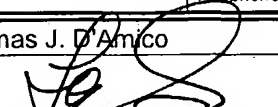
18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: \_\_\_\_\_

Prior application information: Examiner \_\_\_\_\_ Art Unit: \_\_\_\_\_

**For CONTINUATION or DIVISIONAL APPS only:** The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

<b>19. CORRESPONDENCE ADDRESS</b>					
<input checked="" type="checkbox"/> Customer Number or Bar Code Label		24998		or <input checked="" type="checkbox"/> Correspondence address below	
Name <b>DICKSTEIN SHAPIRO MORIN &amp; OSHINSKY LLP</b> <b>Thomas J. D'Amico</b>					
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City <b>Washington</b>		State <b>DC</b>		Zip Code <b>20037-1526</b>	
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Name (Print/Type) <b>Thomas J. D'Amico</b>		Registration No. (Attorney/Agent) <b>28,371</b>			
Signature 		Date <b>June 25, 2003</b>			

 17507 U.S. PTO  
 10/602720  
 06/25/03

01576 U.S. PTO  
06/25/03

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FEE TRANSMITTAL for FY 2003		Complete if Known																																																																																																																																																																																															
<div style="text-align: center; font-size: 0.8em;">Effective 01/01/2003, Patent fees are subject to annual revision.</div> <div style="margin-top: 10px;"><input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27</div>		Application Number	Not Yet Assigned																																																																																																																																																																																														
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<div style="font-weight: bold; font-size: 0.8em;">METHOD OF PAYMENT (check all that apply)</div> <div style="margin-top: 5px;"><input type="checkbox"/> Check    <input checked="" type="checkbox"/> Credit Card    <input type="checkbox"/> Money Order    <input type="checkbox"/> Other    <input type="checkbox"/> None</div> <div style="margin-top: 5px;"><input checked="" type="checkbox"/> Deposit Account</div> <div style="margin-top: 5px;">Deposit Account Number: <span style="border: 1px solid black; padding: 2px 20px;">04-1073</span></div> <div style="margin-top: 5px;">Deposit Account Name: <span style="border: 1px solid black; padding: 2px 40px;">Dickstein Shapiro Morin &amp; Oshinsky LLP</span></div> <div style="margin-top: 5px; font-size: 0.8em;">The Director is hereby authorized to: (check all that apply)</div> <div style="margin-top: 5px;"><input type="checkbox"/> Charge fee(s) indicated below    <input checked="" type="checkbox"/> Credit any overpayments</div> <div style="margin-top: 5px;"><input checked="" type="checkbox"/> Charge any additional fee(s) during the pendency of this application</div> <div style="margin-top: 5px;"><input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.</div>		<div style="font-weight: bold; font-size: 0.8em;">FEE CALCULATION (continued)</div> <div style="margin-top: 10px; font-weight: bold;">3. ADDITIONAL FEES</div> <table border="1" style="width:100%; border-collapse: collapse; font-size: 0.8em;"><thead><tr><th colspan="2">Large Entity</th><th colspan="2">Small Entity</th><th rowspan="2">Fee Description</th><th rowspan="2">Fee Paid</th></tr><tr><th>Fee Code</th><th>Fee (\$)</th><th>Fee Code</th><th>Fee (\$)</th></tr></thead><tbody><tr><td>1051</td><td>130</td><td>2051</td><td>65</td><td>Surcharge - late filing fee or oath</td><td></td></tr><tr><td>1052</td><td>50</td><td>2052</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet</td><td></td></tr><tr><td>1053</td><td>130</td><td>1053</td><td>130</td><td>Non-English specification</td><td></td></tr><tr><td>1812</td><td>2,520</td><td>1812</td><td>2,520</td><td>For filing a request for <i>ex parte</i> reexamination</td><td></td></tr><tr><td>1804</td><td>920*</td><td>1804</td><td>920*</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr><tr><td>1805</td><td>1,840*</td><td>1805</td><td>1,840*</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr><tr><td>1251</td><td>110</td><td>2251</td><td>55</td><td>Extension for reply within first month</td><td></td></tr><tr><td>1252</td><td>410</td><td>2252</td><td>205</td><td>Extension for reply within second month</td><td></td></tr><tr><td>1253</td><td>930</td><td>2253</td><td>465</td><td>Extension for reply within third month</td><td></td></tr><tr><td>1254</td><td>1,450</td><td>2254</td><td>725</td><td>Extension for reply within fourth month</td><td></td></tr><tr><td>1255</td><td>1,970</td><td>2255</td><td>985</td><td>Extension for reply within fifth month</td><td></td></tr><tr><td>1401</td><td>320</td><td>2401</td><td>160</td><td>Notice of Appeal</td><td></td></tr><tr><td>1402</td><td>320</td><td>2402</td><td>160</td><td>Filing a brief in support of an appeal</td><td></td></tr><tr><td>1403</td><td>280</td><td>2403</td><td>140</td><td>Request for oral hearing</td><td></td></tr><tr><td>1451</td><td>1,510</td><td>1451</td><td>1,510</td><td>Petition to institute a public use proceeding</td><td></td></tr><tr><td>1452</td><td>110</td><td>2452</td><td>55</td><td>Petition to revive - unavoidable</td><td></td></tr><tr><td>1453</td><td>1,300</td><td>2453</td><td>650</td><td>Petition to revive - unintentional</td><td></td></tr><tr><td>1501</td><td>1,300</td><td>2501</td><td>650</td><td>Utility issue fee (or reissue)</td><td></td></tr><tr><td>1502</td><td>470</td><td>2502</td><td>235</td><td>Design issue fee</td><td></td></tr><tr><td>1503</td><td>630</td><td>2503</td><td>315</td><td>Plant issue fee</td><td></td></tr><tr><td>1460</td><td>130</td><td>1460</td><td>130</td><td>Petitions to the Commissioner</td><td></td></tr><tr><td>1807</td><td>50</td><td>1807</td><td>50</td><td>Processing fee under 37 CFR 1.17(q)</td><td></td></tr><tr><td>1806</td><td>180</td><td>1806</td><td>180</td><td>Submission of Information Disclosure Stmt</td><td></td></tr><tr><td>8021</td><td>40</td><td>8021</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td><td>40.00</td></tr><tr><td>1809</td><td>750</td><td>2809</td><td>375</td><td>Filing a submission after final rejection (37 CFR 1.129(a))</td><td></td></tr><tr><td>1810</td><td>750</td><td>2810</td><td>375</td><td>For each additional invention to be examined (37CFR 1.129(b))</td><td></td></tr><tr><td>1801</td><td>750</td><td>2801</td><td>375</td><td>Request for Continued Examination (RCE)</td><td></td></tr><tr><td>1802</td><td>900</td><td>1802</td><td>900</td><td>Request for expedited examination of a design application</td><td></td></tr><tr><td colspan="6">Other fee (specify) _____</td></tr><tr><td colspan="4">*Reduced by Basic Filing Fee Paid</td><td style="text-align: right;">SUBTOTAL (3) (\$)</td><td>40.00</td></tr></tbody></table>		Large Entity		Small Entity		Fee Description	Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)	1051	130	2051	65	Surcharge - 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<div style="font-weight: bold; font-size: 0.8em;">SUBMITTED BY</div> <div style="margin-top: 5px;">Name (Print/Type) <span style="border-bottom: 1px solid black; padding: 0 50px;">Thomas J. D'Amico</span></div> <div style="margin-top: 5px;">Signature <span style="border-bottom: 1px solid black; padding: 0 50px;"></span></div>		<div style="font-weight: bold; font-size: 0.8em;">Complete (if applicable)</div> <div style="margin-top: 5px;">Registration No. (Attorney/Agent) <span style="border-bottom: 1px solid black; padding: 0 20px;">28,371</span></div> <div style="margin-top: 5px;">Telephone <span style="border-bottom: 1px solid black; padding: 0 20px;">(202) 828-2232</span></div> <div style="margin-top: 5px;">Date <span style="border-bottom: 1px solid black; padding: 0 20px;">June 25, 2003</span></div>																																																																																																																																																																																															